

### ABSTRACT OF THE DISCLOSURE

A device and a method for removing undesirable gases and particles from the air are provided. The device includes a purifying chamber through which air (1) to be purified is arranged to pass and has an entrance end provided with a zone (2) producing water dust. The purifying chamber is provided with ion emitting tips (3) operating by high voltage current and with collecting surfaces (4) collecting impurities from the air. The zone (2) is provided with dies (7) producing water dust having a droplet size of 20 to 40  $\mu\text{m}$ , and the collecting surfaces (4) are grounded. The ion emitting tips (3) are directed toward the collecting surfaces (4) and generate ion jets rushing from the ion emitting tips (3) causing water dust and gases and particulate materials attached to the droplets of said dust to be forced against said collecting surfaces (4).